Validated By CRFValidator v 1.0.3

Application No: 10521691 Version No: 4.0

Input Set:

Output Set:

Started: 2009-08-18 17:46:21.738
Finished: 2009-08-18 17:46:26.334
Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 596 ms
Total Warnings: 57
Total Errors: 0
No. of SeqIDs Defined: 57
Actual SeqID Count: 57

Error code		Error Description
W	402	Undefined organism found in <213> in SEQ ID (1)
W	402	Undefined organism found in <213> in SEQ ID (2)
W	402	Undefined organism found in <213> in SEQ ID (3)
W	402	Undefined organism found in <213> in SEQ ID (4)
W	402	Undefined organism found in <213> in SEQ ID (5)
W	402	Undefined organism found in <213> in SEQ ID (6)
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W	402	Undefined organism found in <213> in SEQ ID (8)
W	402	Undefined organism found in <213> in SEQ ID (9)
W	402	Undefined organism found in <213> in SEQ ID (10)
W	402	Undefined organism found in <213> in SEQ ID (11)
W	402	Undefined organism found in <213> in SEQ ID (12)
W	402	Undefined organism found in <213> in SEQ ID (13)
W	402	Undefined organism found in <213> in SEQ ID (14)
W	402	Undefined organism found in <213> in SEQ ID (15)
W	402	Undefined organism found in <213> in SEQ ID (16)
W	402	Undefined organism found in <213> in SEQ ID (17)
W	402	Undefined organism found in <213> in SEQ ID (18)
W	213	Artificial or Unknown found in <213> in SEQ ID (19)
W	213	Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2009-08-18 17:46:21.738
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Total Warnings: 57
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No. of SeqIDs Defined: 57
Actual SeqID Count: 57

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (21)
W 213	Artificial or Unknown found in <213> in SEQ ID (22)
W 213	Artificial or Unknown found in <213> in SEQ ID (23)
W 402	Undefined organism found in <213> in SEQ ID (24)
W 402	Undefined organism found in <213> in SEQ ID (25) This error has occured more than 20 times, will not be displayed
W 213	Artificial or Unknown found in <213> in SEQ ID (26)
W 213	Artificial or Unknown found in <213> in SEQ ID (27)
W 213	Artificial or Unknown found in <213> in SEQ ID (28)
W 213	Artificial or Unknown found in <213> in SEQ ID (29)
W 213	Artificial or Unknown found in <213> in SEQ ID (30)
W 213	Artificial or Unknown found in <213> in SEQ ID (31)
W 213	Artificial or Unknown found in <213> in SEQ ID (32)
W 213	Artificial or Unknown found in <213> in SEQ ID (33)
W 213	Artificial or Unknown found in <213> in SEQ ID (34)
W 213	Artificial or Unknown found in <213> in SEQ ID (35)
W 213	Artificial or Unknown found in <213> in SEQ ID (36)
W 213	Artificial or Unknown found in <213> in SEQ ID (46)
W 213	Artificial or Unknown found in <213> in SEQ ID (47)
W 213	Artificial or Unknown found in <213> in SEQ ID (48)
W 213	Artificial or Unknown found in <213> in SEQ ID (49) This error has occured more than 20 times, will not be displayed

SEQUENCE LISTING

<110> Okochi, Masayasu

<120> NOVEL Notch-ORIGIN POLYPEPTIDES AND BIOMARKERS AND REAGENTS USING THE SAME

<130> 10873.1604USWO_H1857

<140> 10521691
<141> 2005-08-31

<150> PCT/JP2003/009059
<151> 2003-03-17

<150> JP 2002-210040
<151> 2002-07-18

<160> 57

<170> PatentIn version 3.5

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Val Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu
1 5 10 15

Met Tyr Val Ala Ala
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<212> PRT
<213> mouse

<400> 2

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1 5 10 15

Met

<210> 3
<211> 18
<212> PRT
<213> mouse

<400> 3

Val Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu
1   5   10   15

Met Tyr

<210> 4
<211> 20
<212> PRT
<213> mouse

<400> 4

Val Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu
1   5   10   15

Met Tyr Val Ala
            20

<210> 5
<211> 22
<212> PRT
<213> mouse

<400> 5

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1   5   10   15

Met Tyr Val Ala Ala Ala
            20

<210> 6
<211> 23
<212> PRT
<213> mouse

<400> 6

Val Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu
1   5   10   15

Met Tyr Val Ala Ala Ala Ala
            20

<210> 7

<211> 24
<212> PRT
<213> mouse

<400> 7

Val Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu
1 5 10 15

Met Tyr Val Ala Ala Ala Ala Phe
20

<210> 8
<211> 25
<212> PRT
<213> mouse

<400> 8

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1 5 10 15

Met Tyr Val Ala Ala Ala Ala Phe Val
20 25

<210> 9
<211> 26
<212> PRT
<213> mouse

<400> 9

Val Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu
1 5 10 15

Met Tyr Val Ala Ala Ala Ala Phe Val Leu
20 25

<210> 10
<211> 17
<212> PRT
<213> human

<400> 10

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1 5 10 15

Met

<210> 11
<211> 18
<212> PRT
<213> human

<400> 11

Val Gln Ser Glu Thr Val Glu Pro Pro Pro Pro Ala Gln Leu His Phe
1   5   10   15

Met Tyr

<210> 12
<211> 20
<212> PRT
<213> human

<400> 12

Val Gln Ser Glu Thr Val Glu Pro Pro Pro Pro Ala Gln Leu His Phe
1   5   10   15

Met Tyr Val Ala
            20

<210> 13
<211> 21
<212> PRT
<213> human

<400> 13

Val Gln Ser Glu Thr Val Glu Pro Pro Pro Pro Ala Gln Leu His Phe
1   5   10   15

Met Tyr Val Ala Ala
            20

<210> 14
<211> 22
<212> PRT
<213> human

<400> 14

Val Gln Ser Glu Thr Val Glu Pro Pro Pro Pro Ala Gln Leu His Phe
1   5   10   15

Met Tyr Val Ala Ala Ala
            20

<210> 15
<211> 23
<212> PRT
<213> human

<400> 15

Val Gln Ser Glu Thr Val Glu Pro Pro Pro Pro Ala Gln Leu His Phe
1   5   10   15

Met Tyr Val Ala Ala Ala Ala
            20

<210> 16
<211> 24
<212> PRT
<213> human

<400> 16

Val Gln Ser Glu Thr Val Glu Pro Pro Pro Pro Ala Gln Leu His Phe
1   5   10   15

Met Tyr Val Ala Ala Ala Ala Phe
            20

<210> 17
<211> 25
<212> PRT
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<400> 17

Val Gln Ser Glu Thr Val Glu Pro Pro Pro Pro Ala Gln Leu His Phe
1   5   10   15

Met Tyr Val Ala Ala Ala Ala Phe Val
            20   25

<210> 18
<211> 26
<212> PRT
<213> human

<400> 18

Val Gln Ser Glu Thr Val Glu Pro Pro Pro Pro Ala Gln Leu His Phe
1 5 10 15

Met Tyr Val Ala Ala Ala Ala Phe Val Leu
20 25

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<211> 57
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<223> Primer 1 which is derived from mouse Notch-1 gene for use in site spesific mutagenesis.

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<210> 20
<211> 54
<212> DNA
<213> Artificial

<220>
<223> Primer 2 which is derived from mouse Notch-1 gene for use in site spesific mutagenesis.

<400> 20
gacaagatgg tgatgaagag tgagccggtg gagcctccgc tgccctcgca gctg 54

<210> 21
<211> 32
<212> DNA
<213> Artificial

<220>
<223> Primer 3 which is derived from mouse Notch-1 gene for use in site spesific mutagenesis.

<400> 21
cctcgcagct gcacctcatg tacgtggcag cg 32

<210> 22
<211> 32
<212> DNA
<213> Artificial

<220>
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<400> 22

cgctgccacg tacatgaggt gcagctgcga gg 32

<210> 23
<211> 70
<212> PRT
<213> Artificial

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<400> 23

Met Pro Arg Leu Leu Thr Pro Leu Leu Cys Leu Thr Leu Leu Pro Ala
1 5 10 15

Arg Ala Ala Arg Gly Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met
20 25 30

Val Met Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His
35 40 45

Leu Met Tyr Val Ala Ala Ala Ala Phe Val Leu Leu Phe Phe Val Gly
50 55 60

Cys Gly Val Leu Leu Ser
65 70

<210> 24
<211> 31
<212> PRT
<213> mouse

<400> 24

Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala Ala Ala Ala Phe Val
1 5 10 15

Leu Leu Phe Phe Val Gly Cys Gly Val Leu Leu Ser Arg Lys Arg
20 25 30

<210> 25
<211> 31
<212> PRT
<213> human

<400> 25

Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val

1 5 10 15

Ile Ala Thr Val Ile Val Ile Thr Leu Val Met Leu Lys Lys Lys
20 25 30

<210> 26
<211> 45
<212> PRT
<213> Artificial

<220>
<223> Partial amino acid sequence of F-NEXT which is derived from mouse Notch-1 peptide and has FLAG sequence at N-terminal region.

<400> 26

Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu
1 5 10 15

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala
20 25 30

Ala Ala Ala Phe Val Leu Leu Phe Phe Val Gly Cys Gly
35 40 45

<210> 27
<211> 38
<212> PRT
<213> Artificial

<220>
<223> Partial amino acid sequence of F-NEXT which is derived from mouse Notch-1 peptide and has FLAG sequence at N-terminal region.

<400> 27

Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu
1 5 10 15

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala
20 25 30

Ala Ala Ala Phe Val Leu
35

<210> 28
<211> 37
<212> PRT
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<220>
<223> Partial amino acid sequence of F-NEXT which is derived from mouse
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<400> 28

Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu
1   5   10   15

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala
            20   25   30

Ala Ala Ala Phe Val
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<210> 29
<211> 36
<212> PRT
<213> Artificial

<220>
<223> Partial amino acid sequence of F-NEXT which is derived from mouse
       Notch-1 peptide and has FLAG sequence at N-terminal region.

<400> 29

Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu
1   5   10   15

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala
            20   25   30

Ala Ala Ala Phe
        35

<210> 30
<211> 35
<212> PRT
<213> Artificial

<220>
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<400> 30

Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu
1   5   10   15

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala
            20   25   30

Ala Ala Ala
        35

<210> 31
<211> 35
<212> PRT
<213> Artificial

<220>
<223> Partial amino acid sequence of F-NEXT which is derived from mouse
       Notch-1 peptide and has FLAG sequence at N-terminal region.

<400> 31

Arg Gly Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys
1   5   10   15

Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr
            20   25   30

Val Ala Ala
        35

<210> 32
<211> 33
<212> PRT
<213> Artificial

<220>
<223> Partial amino acid sequence of F-NEXT which is derived from mouse
       Notch-1 peptide and has FLAG sequence at N-terminal region.

<400> 32

Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu
1   5   10   15

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala
            20   25   30

Ala

<210> 33
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<213> Artificial

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<223> Partial amino acid sequence of F-NEXT which is derived from mouse
Notch-1 peptide and has FLAG sequence at N-terminal region.

<400> 33

Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu Pro Val
1 5 10 15

Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala Ala
20 25 30

<210> 34
<211> 32
<212> PRT
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<220>
<223> Partial amino acid sequence of F-NEXT which is derived from mouse
Notch-1 peptide and has FLAG sequence at N-terminal region.

<400> 34

Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu
1 5 10 15

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala
20 25 30

<210> 35
<211> 30
<212> PRT
<213> Artificial

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Notch-1 peptide and has FLAG sequence at N-terminal region.

<400> 35

Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu
1 5 10 15

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr
20 25 30

<210> 36
<211> 29
<212> PRT

<213> Artificial

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<223> Partial amino acid sequence of F-NEXT which is derived from mouse
Notch-1 peptide and has FLAG sequence at N-terminal region.

<400> 36

Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu
1 5 10 15

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met
20 25

<210> 37
<211> 23
<212> PRT
<213> mouse

<400> 37

Leu His Leu Met Tyr Val Ala Ala Ala Ala Phe Val Leu Leu Phe Phe
1 5 10 15

Val Gly Cys Gly Val Leu Leu
20

<210> 38
<211> 23
<212> PRT
<213> human

<400> 38

Leu His Phe Met Tyr Val Ala Ala Ala Ala Phe Val Leu Leu Phe Phe
1 5 10 15

Val Gly Cys Gly Val Leu Leu
20

<210> 39
<211> 23
<212> PRT
<213> mouse

<400> 39

Leu Leu Tyr Leu Leu Ala Val Ala Val Val Ile Ile Leu Phe Phe Ile
1 5 10 15

Leu Leu Gly Val Ile Met Ala
            20

<210> 40
<211> 23
<212> PRT
<213> human

<400> 40

Leu Leu Tyr Leu Leu Ala Val Ala Val Val Ile Ile Leu Phe Ile Ile
1   5   10   15

Leu Leu Gly Val Ile Met Ala
            20

<210> 41
<211> 23
<212> PRT
<213> mouse

<400> 41

Leu Leu Pro Leu Leu Val Ala Gly Ala Val Phe Leu Leu Ile Ile Phe
1   5   10   15

Ile Leu Gly Val Met Val Ala
            20

<210> 42
<211> 23
<212> PRT
<213> human

<400> 42

Leu Leu Pro Leu Leu Val Ala Gly Ala Val Leu Leu Leu Val Ile Leu
1   5   10   15

Val Leu Gly Val Met Val Ala
            20

<210> 43
<211> 23
<212> PRT
<213> mouse

<400> 43

Ile Leu Cys Ser Pro Val Val Gly Val Leu Leu Leu Ala Leu Gly Ala

1 5 10 15

Leu Leu Val Leu Gln Leu Ile
20

<210> 44
<211> 23
<212> PRT
<213> human

<400> 44

Val Leu Cys Ser Pro Val Ala Gly Val Ile Leu Leu Ala Leu Gly Ala
1 5 10 15

Leu Leu Val Leu Gln Leu Ile
20

<210> 45
<211> 24
<212> PRT
<213> human

<400> 45

Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val Ile Ala Thr Val
1 5 10 15

Ile Val Ile Thr Leu Val Met Leu
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<210> 46
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<212> PRT
<213> Artificial

<220>
<223> Partial amino acid sequence of transmembrane region of F-NEXT which is derived from mouse Notch-1 peptide.

<400> 46

Leu His Leu Met Tyr Val Ala Ala
1 5

<210> 47
<211> 10
<212> PRT
<213> Artificial

<220>
<223> Partial amino acid sequence of transmembrane region of F-NEXT
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Leu His Leu Met Tyr Val Ala Ala Ala Ala
1   5   10

<210> 48
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<212> PRT
<213> Artificial

<220>
<223> Partial amino acid sequence of transmembrane region of F-NEXT
       which is derived from mouse Notch-1 peptide.

<400> 48

Leu His Leu Met Tyr Val Ala Ala Ala Ala Phe
1   5   10

<210> 49
<211> 12
<212> PRT
<213> Artificial

<220>
<223> Partial amino acid sequence of transmembrane region of F-NEXT
       which is derived from mouse Notch-1 peptide.

<400> 49

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1   5   10

<210> 50
<211> 28
<212> PRT
<213> Artificial

<220>
<223> Partial amino acid sequence of transmembrane region of F-NEXT
       which is derived from mouse Notch-1 peptide.

<400> 50

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1   5   10   15

Val Gly Cys Gly Val Leu Leu Ser Arg Lys Arg Arg
            20   25

<210> 51
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<212> PRT
<213> Artificial

<220>
<223> Partial amino acid sequence of transmembrane region of F-NEXT
which is derived from mouse Notch-1 peptide.

<400> 51

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1 5 10 15

Val Gly Cys Gly Val Leu Leu Ser
20

<210> 52
<211> 24
<212> PRT
<213> Artificial

<220>
<223> Partial amino acid sequence of transmembrane region of F-NEXT
which is derived from mouse Notch-1 peptide.

<400> 52

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